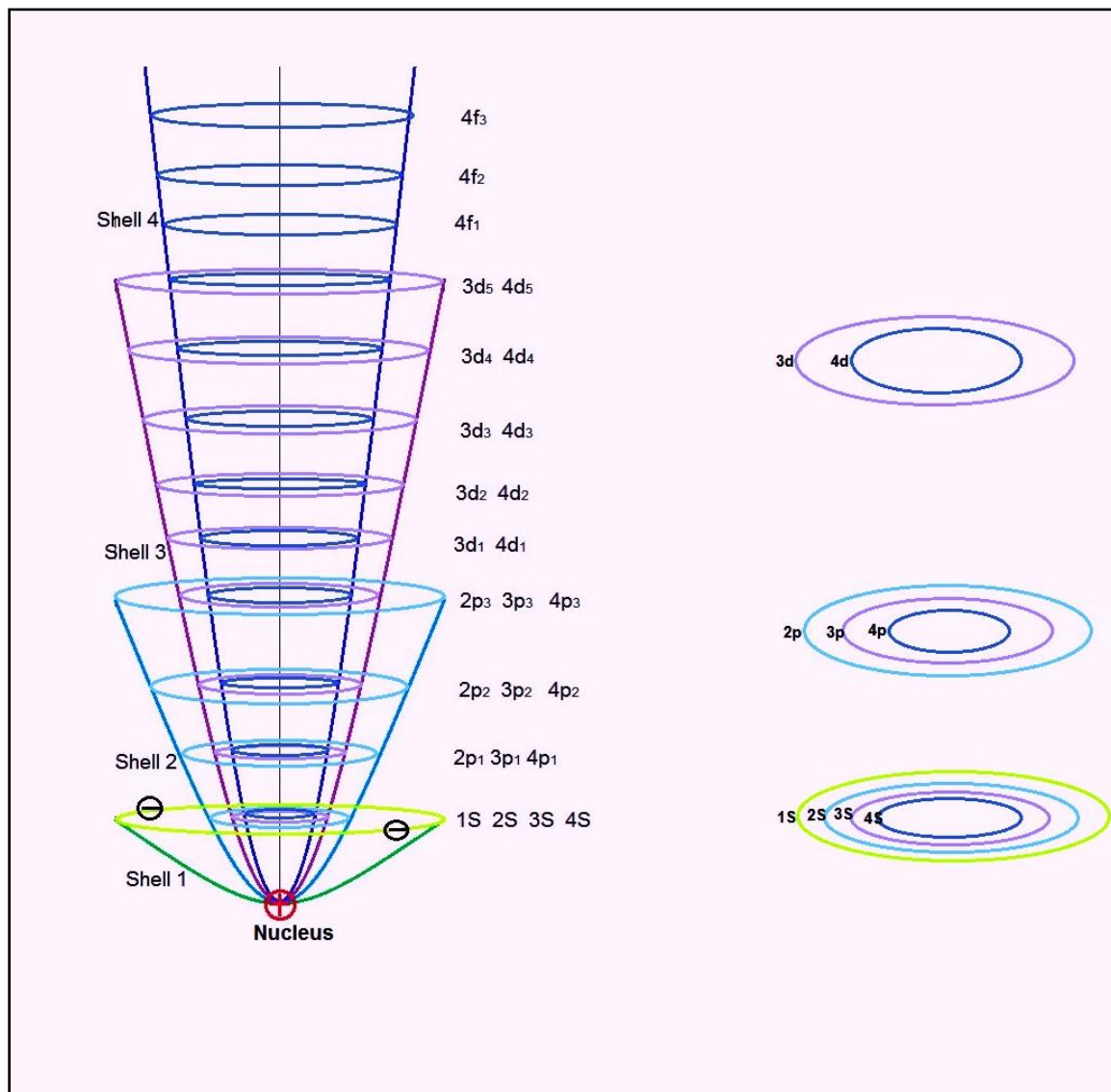


A Modified Bohr Model of Atomic Structure

Discovered by

Khalid Abdel Fattah – Sudan

khdfattah@gmail.com



Shells and Orbits , Two electrons for each orbit

Orbits Levels and Diameters (a.u.l.)*

Orbit level	n =1	n =2	n =3	n =4	n =5	n =6	n =7	Type
0.25	1	1/2	1/3	1/4	1/5	1/6	1/7	s orbits
0.50		$\sqrt{2}/2$	$\sqrt{2}/3$	$\sqrt{2}/4$	$\sqrt{2}/5$	$\sqrt{2}/6$	$\sqrt{2}/7$	p1 orbits
0.75		$\sqrt{3}/2$	$\sqrt{3}/3$	$\sqrt{3}/4$	$\sqrt{3}/5$	$\sqrt{3}/6$	$\sqrt{3}/7$	p2 orbits
1.00		1	2/3	2/4	2/5	2/6	2/7	p3 orbits
1.25			$\sqrt{5}/3$	$\sqrt{5}/4$	$\sqrt{5}/5$	$\sqrt{5}/6$	$\sqrt{5}/7$	d1 orbits
1.50			$\sqrt{6}/3$	$\sqrt{6}/4$	$\sqrt{6}/5$	$\sqrt{6}/6$	$\sqrt{6}/7$	d2 orbits
1.75			$\sqrt{7}/3$	$\sqrt{7}/4$	$\sqrt{7}/5$	$\sqrt{7}/6$	$\sqrt{7}/7$	d3 orbits
2.00			$\sqrt{8}/3$	$\sqrt{8}/4$	$\sqrt{8}/5$	$\sqrt{8}/6$	$\sqrt{8}/7$	d4 orbits
2.25			1	3/4	3/5	3/6	3/7	d5 orbits
2.50				$\sqrt{10}/4$	$\sqrt{10}/5$	$\sqrt{10}/6$	$\sqrt{10}/7$	f1 orbits
2.75				$\sqrt{11}/4$	$\sqrt{11}/5$	$\sqrt{11}/6$	$\sqrt{11}/7$	f2 orbits
3.00				$\sqrt{12}/4$	$\sqrt{12}/5$	$\sqrt{12}/6$	$\sqrt{12}/7$	f3 orbits
3.25				$\sqrt{13}/4$	$\sqrt{13}/5$	$\sqrt{13}/6$	$\sqrt{13}/7$	f4 orbits
3.50				$\sqrt{14}/4$	$\sqrt{14}/5$	$\sqrt{14}/6$	$\sqrt{14}/7$	f5 orbits
3.75				$\sqrt{15}/4$	$\sqrt{15}/5$	$\sqrt{15}/6$	$\sqrt{15}/7$	f6 orbits
4.00				1	4/5	4/6	4/7	f7 orbits

* (a.u.l.) Atomic Unit Length